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(54) POLYPROPYLENE BASED RESIN COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a polypropylene based resin composition excellent in flexibility, heat resistance, marring resistance, transparency and cold resistance and having high tensile elongation.

SOLUTION: This composition consists of 3-95wt.% ethylene/1-butene copolymer (A) and 97-5wt.% crystalline polypropylene resin (B) and satisfies the following conditions: the loss tangent ($\tan \delta$) of the composition, based on the glass transition temperature obtained from the temperature dependence of kinematic viscoelasticity thereof appears as a single peak on the lower temperature side of the peak of $\tan \delta$ of component B alone; component A has neither a crystal fusion peak nor a crystallization peak when measured with a differential scanning calorimeter(DSC); and the 1-butene content of component A is at least 83wt.%, or the 1-butene content of the component A and the glass transition temperature thereof measured with DSC satisfy the relation of the formula $T \leq 0.64X - 102$, provided that $60 \leq X < 83$ [wherein T is the glass transition temperature ($^{\circ}\text{C}$) of component A; and X is the wt.% of 1-butene in component A].